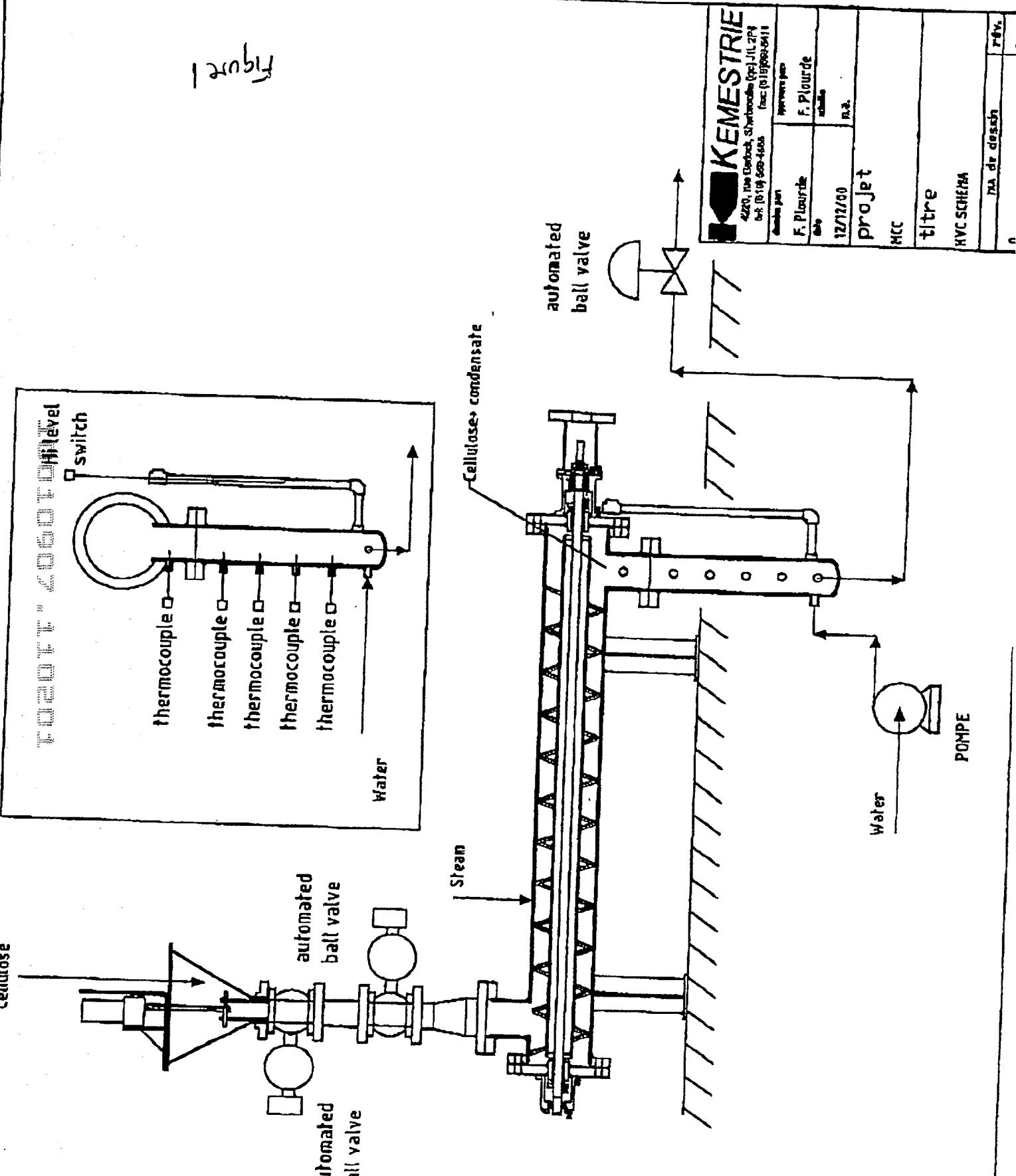


12m<sup>3</sup>/h



TEMALFA 93 TEM CELLULOSE



Tem  $\alpha$

500  $\mu\text{m}$  (50X)

TEMALFA 93 TEM CELLULOSE

2 201

Fig 3



T<sub>α</sub> VC12

250  $\mu\text{m}$  (100X)

TEMALPHA CELLULOSE TREATED BY A STEAM EXPLOSION PROCESS

FIGURE 4

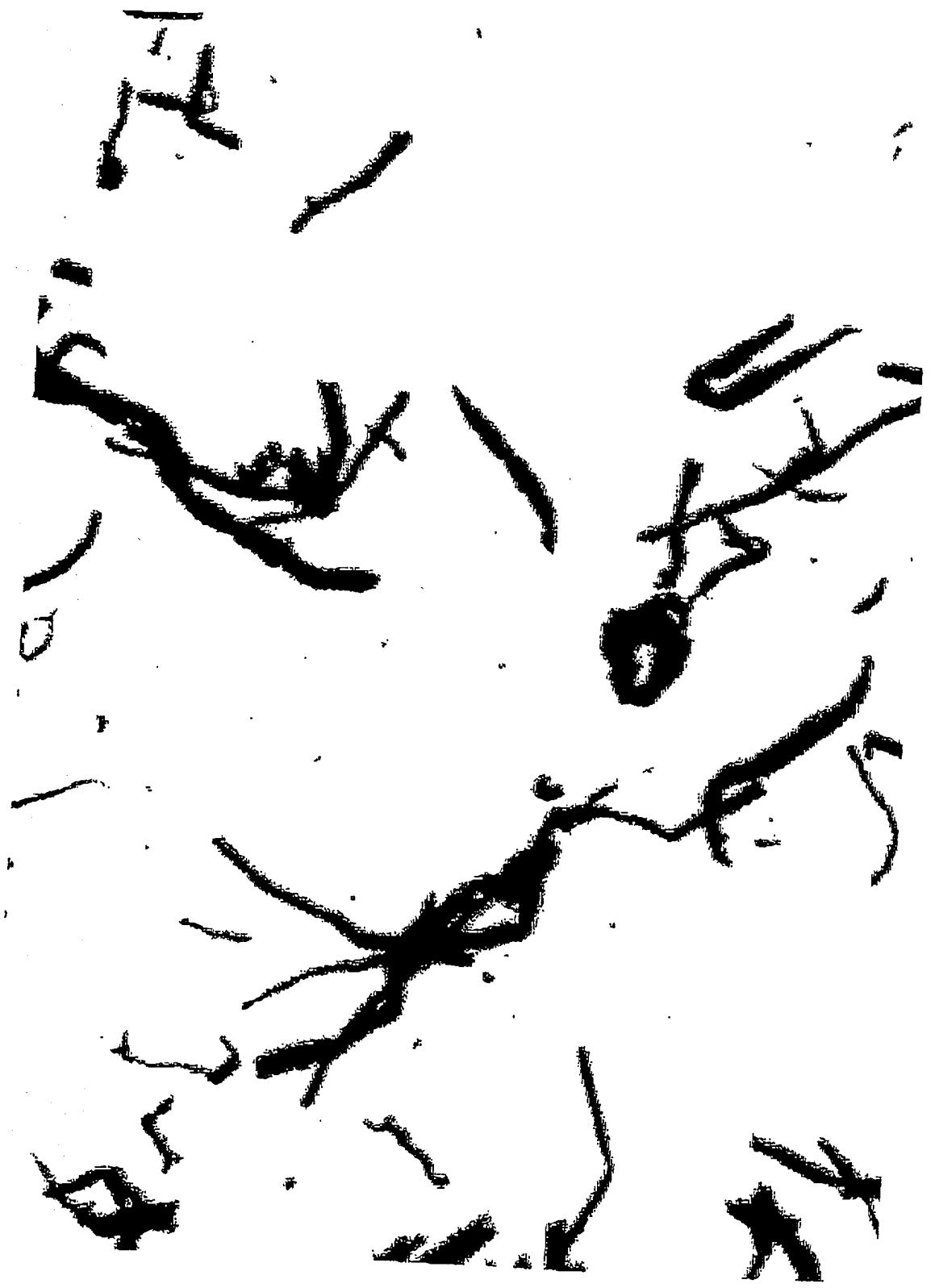


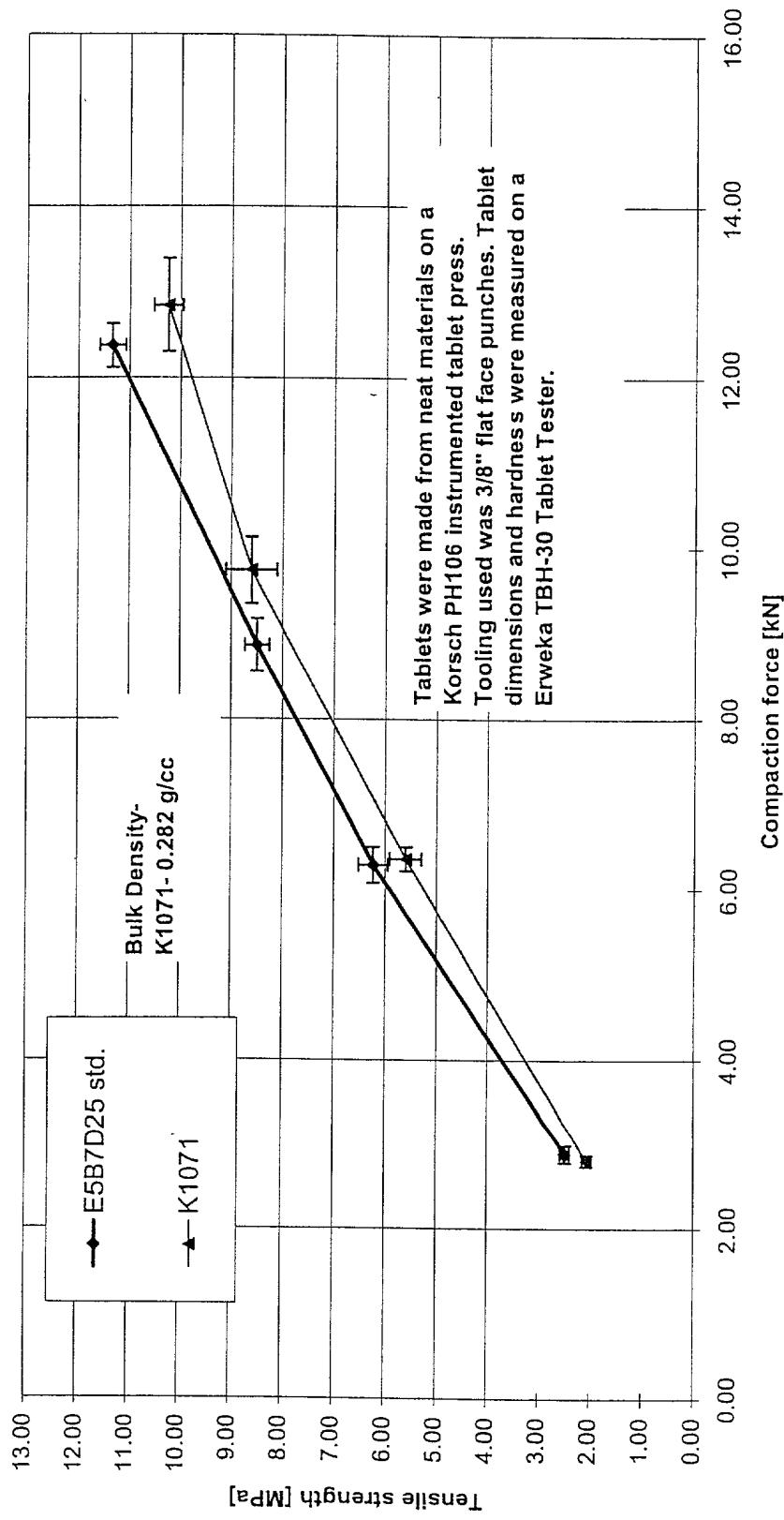
Figure 4

TGA 11N

500  $\mu\text{m}$  (50X)

TGA 93 CELLULOSE TREATED BY PROCESS OF THE PRESENT INVENTION

### Compaction Study of Example E (K1071) vs. Emcocel 50 M (E5B7D25 Std)



200 Mesh	1	2	Average	USP Limits
Particle Size (%) PA 2923	pass	pass	pass	10-30%
Scott Density (g/mL) DN 695	0.278	0.280	0.279	0.25-0.37%
Bulk Density (g/mL) DN 695	0.294	0.294	0.294	
Tapped Density (g/mL) DN 695	0.446	0.445	0.445	0.37-0.50%
Water Soluble Sub. (%) WS 2236	0.0560	0.0500	0.0530	NMT 0.24%
pH PH 2289	5.99	6.01	6.00	5.0-7.0
Conductivity (µS/cm) PH 2289	89.1	92.7	90.9	NMT 75
Loss on Drying (%) LD 1898	5.4111	5.4022	5.4067	NMT 6.0%
DP (ID-C) DP 469			233.5	NMT 350
ID BID 624	pass	pass	pass	Pass
Ether Soluble Sub. (%) ES	pass	pass	pass	NMT 0.05%
Residue on Ignition (%) RI			Not Tested	NMT 0.05%

Figure 6